

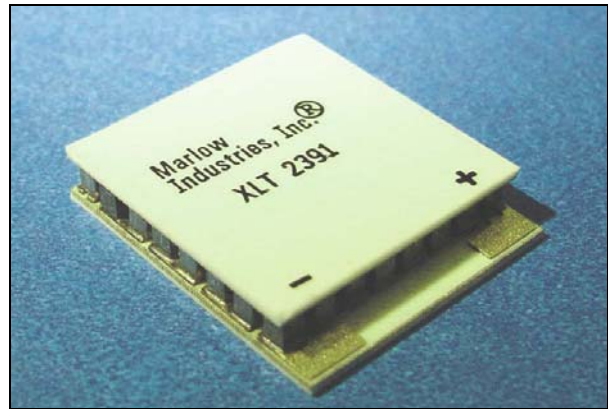


Thermoelectric Cooler

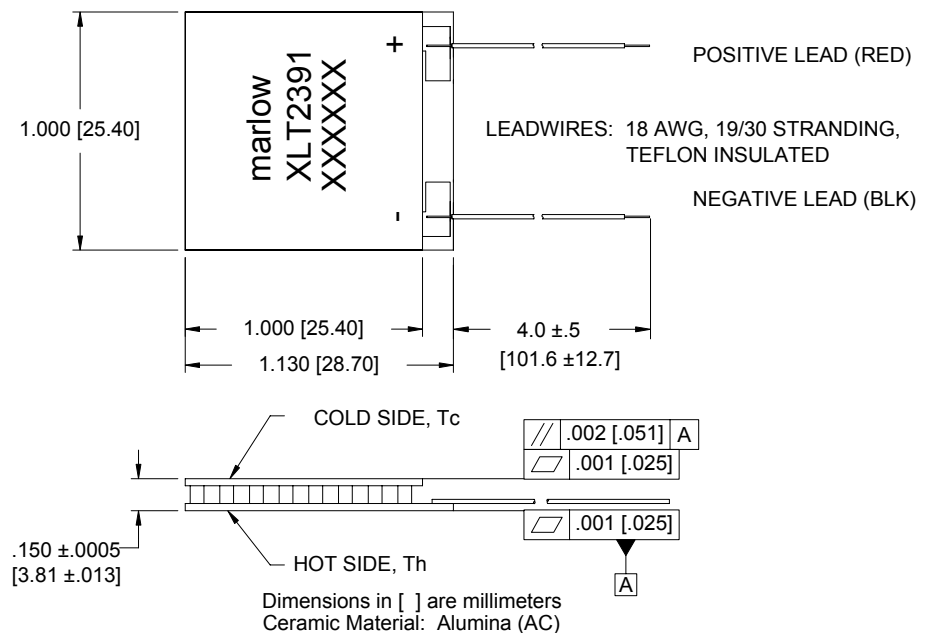
XLT2391

Performance Values

Hot Side Temperature (°C)	27°C	50°C
ΔT_{max} (°C-dry N ₂):	56.0	63.5
Q _{max} (watts):	33.9	37.3
I _{max} (amps):	14.7	14.6
V _{max} (vdc):	3.6	4.0
AC Resistance (ohms):	0.20	---



Mechanical Characteristics

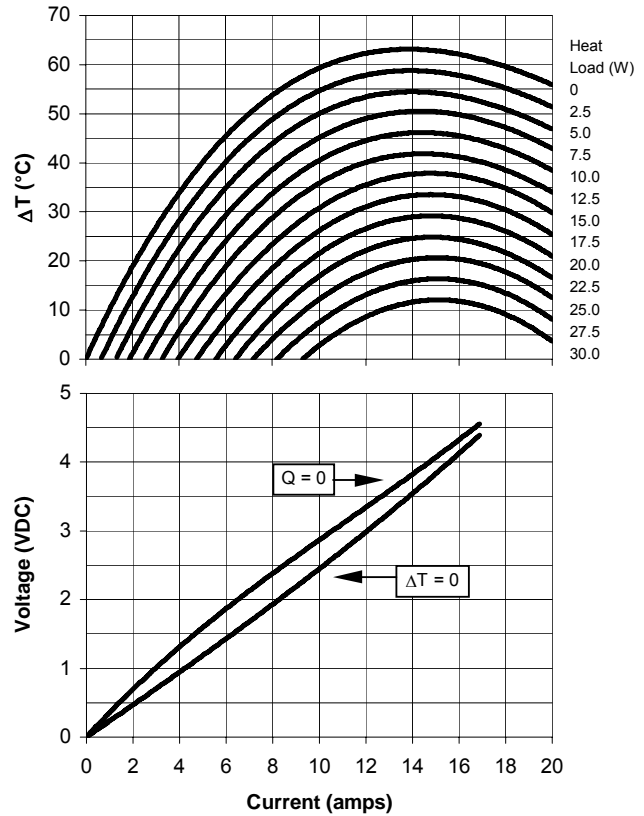
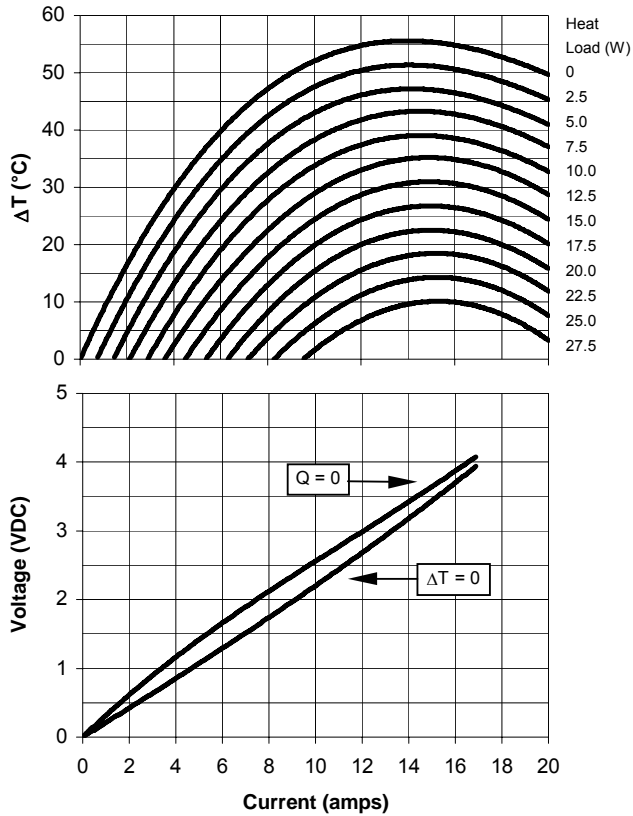


Ordering Options

Model Number	Description
XLT2391-03AC	Leadwires
XLT2391-04AC	Leadwires, Sealed

Features

- Specifically designed for thermal cycling applications
- Capable of rapid heating and cooling rates
- Proven High Reliability (Data available upon request)
- Rugged construction
- Porched configuration for enhanced leadwire strength
- Leadwires attached with 183°C solder
- Rated operating temperature of 130°C
- Height tolerance of ± 0.0005 in. (± .013 mm) allows for multiple module applications

Performance Curves**Environment: One atmosphere dry nitrogen**Hot Side Temperature: 27°C
TA(C) = 27Hot Side Temperature 50°C
TA(C) = 50

For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, consult one of our Applications Engineers.

Installation

XLT coolers are typically mounted under compression using thermal grease or flexible graphite products. Consult Marlow Industries' Thermoelectric Installation Guide for more details. For additional information, please contact one of our application engineers for technical support.



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